

20090418.ba v04_n264.bam.20090418

>From ???@??? Sat Apr 18 11:14:48 2009 -0500
Date: Sat, 18 Apr 2009 10:14:02 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 4264
Message-Id: <20090418161404.4CC4A10B12B@srvr1.theporch.com>

BOATANCHORS Digest 4264

Topics covered in this issue include:

- 1) Re: CONAR AM Transmitter ??
by "Sandy" <ebjr37@charter.net>
- 2) 5894 final amplifier question
by Mike Steussy <ae4r@cox.net>
- 3) RE: 5894 final amplifier question
by RICHARD SOLOMON <w1ks@q.com>
- 4) Nokians: Finnish CW
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 5) Re: Nokians: Finnish CW
by David Hollander <n7rk@cox.net>
- 6) Johnson Invader 200 Finals ??
by RICHARD SOLOMON <w1ks@q.com>
- 7) Re: Nokians: Finnish CW
by "vilgotch@bigpond.net.au" <vilgotch@bigpond.net.au>
- 8) Re: CONAR AM Transmitter ??
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 9) Motorola base station mic for L-3100A
by WA5CAB@cs.com
- 10) Re: Motorola base station mic for L-3100A
by mac <w7qho@aol.com>
- 11) Need light bulb!
by "Ken" <n5cm@rtconline.com>
- 12) Need 10W bulb.
by "Ken" <n5cm@rtconline.com>
- 13) Annual schematic plea
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 14) Annual schematic plea
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 15) Re: Need light bulb!
by "Arden Allen" <gumbear@pacbell.net>
- 16) Re: Annual schematic plea
by stuck in 50s <polepeeg@aa4rm.ba-watch.org>
- 17) 400 Hz Motor Question
by "Jim Garland" <4cx250b@muohio.edu>
- 18) RE: 400 Hz Motor Question

by "Bill Hawkins" <bill@iaxs.net>
19) Re: 400 Hz Motor Question
by "Bob Moody" <bob@vanirmail.com>

Message-ID: <F28CE44204554E50913A817D8FC981DD@gateway>
From: "Sandy" <ebjr37@charter.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: CONAR AM Transmitter ??
Date: Mon, 13 Apr 2009 15:21:10 -0500
MIME-Version: 1.0
Content-Type: text/plain;
format=flowed;
charset="iso-8859-1";
reply-type=original
Content-Transfer-Encoding: 7bit

There is a couple of guys who are trying to sell "bogus" stuff on e-bay.
The items are obviously "fake" or partially so and mis advertised! I don't
remember what the seller's names are now but I'm sure some of the guys on
the list will. Be careful as there are "counterfeits" out there!

73,

Sandy W5TVW

----- Original Message -----
From: "RICHARD SOLOMON" <w1ksq@q.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Monday, April 13, 2009 11:04 AM
Subject: FW: CONAR AM Transmitter ??

From: w1ksq@q.com
To: ebjr37@charter.net
Subject: RE: CONAR AM Transmitter ??
Date: Mon, 13 Apr 2009 16:03:43 +0000

The rig I saw (was on e-Pay and the seller said it was a 5894) does
not look anything like the CONAR's. I wish I kept the listing. I missed
out by only a few \$\$.

Thanks to all,

73, Dick, W1KSZ

> From: ebjr37@charter.net
> To: boatanchors@theporch.com
> Subject: Re: CONAR AM Transmitter ??
> Date: Mon, 13 Apr 2009 10:08:32 -0500
>
> The Raytheon RK-34 is nothing at all like the 5894! The RK-34 was popular
> back during the "5 mter" days. It is a dual triode with a large 7 pin
> base.
> Sort of a "beefed up" version of the 6A6 with the plates brought out of
> the
> top via two caps. In fact the base connections are identical to the 6A6
> except for the plate caps.
>
> 73,
>
> Sandy W5TVW
>
> I have a breadboard transmitter using three RK-34's. One is a push-pull
> Jones oscillator driving a pair of paralleled RK-34's in puh-pull. The
> transmitter with around 375 volts of B+ will deliver about 35 watts out on
> 40 and 80 meters.
>
> ----- Original Message -----
> From: "Nick England" <nick@3rdtech.com>
> To: "Old Tube Radios" <boatanchors@theporch.com>
> Sent: Monday, April 13, 2009 9:02 AM
> Subject: RE: CONAR AM Transmitter ??
>
>
> >I have photos of this Conar transmitter on my kits page at -
> > <http://www.virhistory.com/ham/kits.html>
> >
> > Info I had says it uses RK34, but I believe that is equivalent to 5894.
> > cheers,
> > Nick K4NYW
> > www.navy-radio.com
> >
> > -----Original Message-----
> > From: owner-boatanchors@theporch.com
> > [mailto:owner-boatanchors@theporch.com]
> > On Behalf Of RICHARD SOLOMON
> > Sent: Sunday, April 12, 2009 9:47 PM
> > To: Old Tube Radios

> > Subject: CONAR AM Transmitter ??
> >
> >
> > Was it CONAR that made an AM Transmitter with a 5894 in the final ?
> >
> > I saw a Xtal-Controlled QAM Rig that had a 5894 in it, but not sure
> >
> > of the manufacturer.
> >
> >
> >
> > Does this ring a bell with anyone ?
> >
> >
> >
> > Thanks, Dick, W1KSZ
> >
>
>
> -----
>
>
>
> No virus found in this incoming message.
> Checked by AVG - www.avg.com
> Version: 8.5.287 / Virus Database: 270.11.54/2056 - Release Date: 04/12/09
> 13:14:00
>

No virus found in this incoming message.
Checked by AVG - www.avg.com
Version: 8.5.287 / Virus Database: 270.11.54/2056 - Release Date: 04/13/09
05:51:00

Message-ID: <49E3B72C.8020805@cox.net>
Date: Mon, 13 Apr 2009 18:05:32 -0400
From: Mike Steussy <ae4r@cox.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 5894 final amplifier question
Content-Type: text/plain; charset=ISO-8859-1; format=flowed

Content-Transfer-Encoding: 7bit

Ahoy! The Sonar SRT-120 uses a 5894 in the final. W7CPA has a nice set of images of one at this site.

<http://www.arizona-am.net/PHOENIX/W7CPA/index.html>

73, Mike Steussy AE4R

W1KSZ, whose message was truncated in the digest, asked:

> Was it CONAR that made an AM Transmitter with a 5894 in the final ?

Message-ID: <BAY130-W53224892CD9BC572D9F5DAE07F0@phx.gbl>
Content-Type: multipart/alternative;
 boundary="_ec1318b1-f1b8-4365-9f86-82eb25d51268_"
From: RICHARD SOLOMON <w1ksz@q.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: 5894 final amplifier question
Date: Mon, 13 Apr 2009 23:18:06 +0000
MIME-Version: 1.0

--_ec1318b1-f1b8-4365-9f86-82eb25d51268_
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

That's the one ... I was close ... Sonar ... Conar !!

=20

Now=2C anyone got one they want to sell ??

=20

73=2C Dick=2C W1KSZ

=20

> Date: Mon=2C 13 Apr 2009 18:05:32 -0400
> From: ae4r@cox.net
> To: boatanchors@theporch.com
> Subject: 5894 final amplifier question

>=20

> Ahoy! The Sonar SRT-120 uses a 5894 in the final. W7CPA has a nice set=20
> of images of one at this site.

>=20

> <http://www.arizona-am.net/PHOENIX/W7CPA/index.html>

>=20
> 73=2C Mike Steussy AE4R
>=20
> -----
> W1KSZ=2C whose message was truncated in the digest=2C asked:
>=20
> > Was it CONAR that made an AM Transmitter with a 5894 in the final ?
>=20

--_ec1318b1-f1b8-4365-9f86-82eb25d51268_
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
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* * * * *

--_ec1318b1-f1b8-4365-9f86-82eb25d51268_--

Date: Tue, 14 Apr 2009 11:26:11 -0400 (EDT)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200904141526.n3EFQB1K025145@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Nokians: Finnish CW

I've received several text messages recently on a late Nokia cell fone.

Arrival announced by a couple of chords and something haunting

Well durned if that haunting thing isn't dit dit dit dit dit dit

Yup, morse for HI.

Somebody in the cold north has a sense of humor!

Marty aka AA4RM

Message-ID: <49E4BD59.3040200@cox.net>
Date: Tue, 14 Apr 2009 09:44:09 -0700

From: David Hollander <n7rk@cox.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Nokians: Finnish CW
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 7bit

OH2BH Martti Laine, world famous DXer and tester worked for was pretty high up in Nokia for many years. He may still work for them.

Probably had a lot to do with the CW you are hearing.

Dave N7RK

--

Dave N7RK Boatanchors Home Page: <http://members.cox.net/n7rk>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

Message-ID: <BAY130-W1525DAA064A0E4F2578D75E07C0@phx.gbl>
Content-Type: multipart/alternative;
 boundary="_6a60f40c-190e-4b85-9653-9fe094361193_"
From: RICHARD SOLOMON <w1ksz@q.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Johnson Invader 200 Finals ??
Date: Tue, 14 Apr 2009 17:17:03 +0000
MIME-Version: 1.0

--_6a60f40c-190e-4b85-9653-9fe094361193_
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Is there a version of the 6146 that is better to use in the Invader ?
This poor old puppie I picked up on the "Evil Empire" has one 6146B and one 6146A. Only getting about 55 watts out on CW. seems a tad low. And mixing tube types doesn't look good.

Thanks=2C Dick=2C W1KSZ

--_6a60f40c-190e-4b85-9653-9fe094361193_
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
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* * * * *

--_6a60f40c-190e-4b85-9653-9fe094361193_--

Message-ID: <7993975.1239750630779.JavaMail.root@nschwwwebs02p>
Date: Wed, 15 Apr 2009 9:10:30 +1000
From: "vilgotch@bigpond.net.au" <vilgotch@bigpond.net.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Nokians: Finnish CW
Cc: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=utf-8
Content-Transfer-Encoding: 7bit

My current but not modern Nokia sends "SMS" when a text message is received. My previous one sent "connecting people" in nice CW. I miss it.

73, Morris

----- David Hollander <n7rk@cox.net> wrote:
> OH2BH Martti Laine, world famous DXer and contester worked for was
> pretty high up in Nokia for many years. He may still work for them.
>
> Probably had a lot to do with the CW you are hearing.
>
> Dave N7RK
> --
> *****
> Dave N7RK Boatanchors Home Page: <http://members.cox.net/n7rk>
> Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*
>
> ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX
>
> Boatanchor and Antique Radio Collector
>

Date: Wed, 15 Apr 2009 07:58:47 -0400 (EDT)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>

Message-Id: <200904151158.n3FBw1Zu000134@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: CONAR AM Transmitter ??

In particular, the RK-34 gess

WEull, shucks. The pre-RETMA designator for the 5894 was the
AX-9904

I know that's close but don't guarantee it

I hear all the salt shakers in THE Melody @ New Carlisle, OH
are made from these. Again, no warranty

Marty

From: WA5CAB@cs.com
Message-ID: <c11.2704fc95.371959b9@cs.com>
Date: Fri, 17 Apr 2009 00:04:09 EDT
Subject: Motorola base station mic for L-3100A
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_c11.2704fc95.371959b9_boundary"

--part1_c11.2704fc95.371959b9_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Anyone have one of these mics they want to sell? A friend is restoring one
of the radios and wants it. Head reportedly looks like the hand-held of
the era. PTT switch might be on the base instead of the side of the tube.
The set is totally outside my area of expertise. But you know non-radio
folks. If you play with radios, you're presumed to know about all of them.

Robert Downs - Houston
wa5cab dot com (Web Store)
MVPA 9480

--part1_c11.2704fc95.371959b9_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
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* * * * *

--part1_c11.2704fc95.371959b9_boundary--

Cc: Old Tube Radios <boatanchors@theporch.com>
Message-Id: <481A57E8-BB8F-4B44-B95A-F1A725FAD59A@aol.com>
From: mac <w7qho@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0 (Apple Message framework v930.3)
Subject: Re: Motorola base station mic for L-3100A
Date: Thu, 16 Apr 2009 23:57:51 -0700

"theporch" strikes again.....

Dennis D. W7QH0
Glendale, CA

On Apr 16, 2009, at 9:04 PM, WA5CAB@cs.com wrote:

> * * * * *
> * ---REMAINDER OF MESSAGE TRUNCATED--- *
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> * * * * *

Message-ID: <72205B4D9E1C411AB5CA68BE087D9D12@Ken>
From: "Ken" <n5cm@rtconline.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need light bulb!
Date: Fri, 17 Apr 2009 09:09:51 -0500
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0005_01C9BF3C.441A3140"

This is a multi-part message in MIME format.

-----=_NextPart_000_0005_01C9BF3C.441A3140
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Fellows,

I have a piece of equipment that requires a GE 63 light bulb if it is 10 =
Watt rating.

If it is not 10 watts, I need the same size and shape as the GE 63 bulb =
but
rated at 10 watts. Any help appreciated!

Thanks and take care,

Ken N5CM

-----=_NextPart_000_0005_01C9BF3C.441A3140
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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* * * * *
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* * * * *
```

-----=_NextPart_000_0005_01C9BF3C.441A3140--

Message-ID: <8D57A3C727D341E3925FB09AFFB8CFA2@Ken>
From: "Ken" <n5cm@rtconline.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need 10W bulb.
Date: Fri, 17 Apr 2009 11:10:07 -0500
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_0022_01C9BF4D.1135DF20"

This is a multi-part message in MIME format.

-----=_NextPart_000_0022_01C9BF4D.1135DF20
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Thanks Curcom & Chuck but no luck!

I wonder if someone who is good with LED's could point me in the right direction. What LED will equal 10W filament type bulb if any? The light needs to be focused in one direction (If that is any help).
Thanks,

Ken N5CM

-----=_NextPart_000_0022_01C9BF4D.1135DF20
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * *
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```

-----=_NextPart_000_0022_01C9BF4D.1135DF20--

Date: Fri, 17 Apr 2009 16:55:31 -0400 (EDT)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200904172055.n3HKtVJK024084@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Annual schematic plea

Yo anchor-dom. Here's 2 fotos

<http://qsl.asti.net/May-day\%20155.jpg>

<http://qsl.asti.net/May-day\%20156.jpg>

Identity of the set was a thread 19 entries long & uncovered listmember Jim Allen has one too.

This one was a Revenooer (A&TT / alcohol & tobacco tax) set maybe built in Portland, OR by a USFS contractor. Probably in late 50s as divined fm pix. And a good guess is set designed by hams. This one crystallized for 75m.

Guessing that, it's too new for the "Radio for the Fire Line" book re

USFS 2-ways.

I'd just love a schematic

Tnx,

Marty aka aa4rm

Date: Fri, 17 Apr 2009 17:12:23 -0400 (EDT)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200904172112.n3HLCNq3024169@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Annual schematic plea

Yo anchor-dom. Here's 2 fotos

<http://qsl.asti.net/May-day\%20155.jpg>

<http://qsl.asti.net/May-day\%20156.jpg>

Identity of the set was a thread 19 entries long & uncovered listmember Jim Allen has one too.

This one was a Revenooer (A&TT / alcohol & tobacco tax) set maybe built in Portland, OR by a USFS contractor. Probably in late 50s as divined fm pix. And a good guess is set designed by hams. This one crystallized for 75m.

Guessing that, it's too new for the "Radio for the Fire Line" book re USFS 2-ways.

I'd just love a schematic

Tnx,

Marty aka aa4rm

Message-ID: <001d01c9bfc1\$a83a34b0\$9b9d480c@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Need light bulb!
Date: Fri, 17 Apr 2009 18:04:33 -0700
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I have a piece of equipment that requires a GE 63 light bulb if it is 10 Watt rating.
If it is not 10 watts, I need the same size and shape as the GE 63 bulb but rated at 10 watts. Any help appreciated!

The GE63 at 14 volts, 0.63 amps produces only 8.82 watts. Is that close enough? How do you come up with your "10 Watt" rating?

Arden Allen
KB6NAX

Adopt a shelter dog,
save an innocent life,
and make a friend forever =:-)

Date: Sat, 18 Apr 2009 08:21:08 -0400 (EDT)
From: stuck in 50s <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200904181221.n3ICL8oQ026821@fracas.netboobie.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Annual schematic plea

Dang. No excuses. Y'all pse try this

http://qsl.asti.net/May-day_155.jpg
http://qsl.asti.net/May-day_156.jpg

10**3 pardons

signed

shrinking violet

From: "Jim Garland" <4cx250b@muohio.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 400 Hz Motor Question
Date: Sat, 18 Apr 2009 06:47:20 -0600
Message-ID: <008001c9c023\$d0e70840\$bd00a8c0@Garland>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0081_01C9BFF1.864C9840"

This is a multi-part message in MIME format.

-----=_NextPart_000_0081_01C9BFF1.864C9840

Content-Type: text/plain;
charset="us-ascii"

Content-Transfer-Encoding: 7bit

What happens if I try to run an AC motor designed for 400 Hz on 60 Hz? I know 400 Hz transformers will overheat on 60 Hz, but am not sure about motors. I suspect they will also run hot. Would they also run slower than their rated speed? Could they be run at a reduced voltage to keep them from overheating? I'm asking because I found a nice mils spec squirrel cage blower for a forthcoming amplifier project, but it's intended for 400 Hz. I'll probably end up swapping the motor.

Tnx and 73,

Jim W8ZR

-----=_NextPart_000_0081_01C9BFF1.864C9840

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

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```

-----=_NextPart_000_0081_01C9BFF1.864C9840--

From: "Bill Hawkins" <bill@iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: 400 Hz Motor Question
Date: Sat, 18 Apr 2009 09:56:42 -0500
Message-ID: <36A863F928A64A6F965B3419767F9923@cyrus>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

The neat thing about 400 Hz is the reduction in iron needed for magnetic circuits.

A wound iron core will saturate at some constant proportional to magnetic stuff.

The voltage that a winding will support is equal to the constant times the frequency.

Higher voltages or lower frequencies will partially saturate the core, turning the wire into a resistor for part of the cycle.

In short, you can't use the fan at its rated voltage on 60 Hz, so you can't get the rated power of the fan.

If its a really 'cool' fan, consider generating 400 Hz for it with an inverter.

Bill Hawkins

-----Original Message-----

From: Jim Garland

Sent: Saturday, April 18, 2009 7:47 AM

What happens if I try to run an AC motor designed for 400 Hz on 60 Hz? I know 400 Hz transformers will overheat on 60 Hz, but am not sure about motors. I suspect they will also run hot. Would they also run slower than their rated speed? Could they be run at a reduced voltage to keep them from overheating? I'm asking because I found a nice mils spec squirrel cage blower for a forthcoming amplifier project, but it's intended for 400 Hz.

I'll probably end up swapping the motor.

Tnx and 73,

Jim W8ZR

Message-ID: <643C260B683E4655B8EF798436D62F1C@your5dfc0f230e>

From: "Bob Moody" <bob@vanirmail.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: 400 Hz Motor Question

Date: Sat, 18 Apr 2009 09:13:47 -0700

MIME-Version: 1.0

Content-Type: text/plain;
format=flowed;
charset="iso-8859-1";
reply-type=original

Content-Transfer-Encoding: 7bit

Doesn't Fair Radio Sales sell the 400 cycle inverter modules to run the fan in the Am-6154 and AM-6155 amps?

Bob K7IRK

>
> If its a really 'cool' fan, consider generating 400 Hz for it with an
> inverter.
>
> Bill Hawkins
>
>
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End of BOATANCHORS Digest 4264
